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BOX 1: IMPORTANT PLASMIDS I

ROW 1

pTVec:β2EGFPshort C1/5 mini
pPB[DsRed]β2EGFPshort endo maxi
pPB[DsRed]β2EGFPLong C4/5 mini
pSLfa:β2EGFPLong C7 mini
pTVec:β2 5'Reg (2008 bp) C3 mini
pTVec:β2 3'Reg (1412 bp) C1 mini
pPB[DsRed] wizzard

ROW 2

pSLfa:β2Gal4 C8 mini
pPB[EGFP]β2Gal4 C1 mini
pGaTB C1 mini wizzard
pSLfa:GaTB C7 mini
pSLfa:ActGaTB C1 mini
pPB[EGFP] wizzard

ROW 3

pSLFa:ActGal4 maxi
pPB[EGFP]ActGal4 mini
pPB[EGFP]ActGal4 m⁺ endo maxi
pPB[EGFP]ActGal4 m⁻ endo maxi

ROW 4

pSLfa:UAS-EYFP maxi
pPB[DsRed]UAS-EYFP m⁺ endo maxi
pPB[DsRed]UAS-EYFP m⁻ endo maxi

ROW 5

pSLfa:UAS-EYFP C4/5/10 mini

ROW 6

pMinActECFP maxi
pMinActEYFP maxi
phspEGFP

ROW 7

pPB[DsRed]UAS-β3 C1 mini/CsCl

ROW 8

pTVec:β2TUB C4 mini
pTVec:β3TUB C1 mini
pPB[ECFP]β2-β3TUB endo maxi
pTVec:pBacPROBE C4/5/6

BOX 2: A. STEPHENSI GENOMIC DNA

ROW 1

pPB[DsRed] β 2EGFP_{long}

ROW 4

pPB[DsRed]UAS- β 3

ROW 2

pPB[EGFP] β 2Gal4

ROW 5

pPB[DsRed]UAS-EYFP

ROW 3

pPB[DsRed] β 2EGFP_{short}

BOX 3: GEL PURIFIED PRODUCTS

ROW 1

piggyBac Helper CsCl
ActinGal4 + helper mix
UASEYFP + helper mix
ActEYFP + ActRFP
ActGal4 + UASEYFP + ActRFP

ROW 2

pCR2.1 (BamHI/EcoRV)
DsxE4-S (BamHI/EcoRV)
DsxE4-AS (XbaI/XhoI)
Intron-S (EcoRV/XhoI)
pCR2.1:DsxE4-S (EcoRV/XhoI)
pCR2.1:DsxE4-S:Intron (XhoI/XbaI)
IR-DsxE4 (BamHI/XbaI)

ROW 3

DsxE4-S (BamHI/EcoRV)
DsxE4-AS (XbaI/XhoI)
Intron-S (EcoRV/XhoI)
pCR2.1:DsxE4-S (EcoRV/XhoI)
pCR2.1:DsxE4-S:Intron (XhoI/XbaI)
IR-DsxE4 (BamHI/XbaI)

ROW 4

DsxCom-S (BamHI/EcoRV)
pCR2.1:DsxCom-S (EcoRV/XhoI)
DsxCom-AS (XhoI/XbaI)
Intron-S (EcoRV/XhoI)
pCR2.1:DsxCom-S:Intron (XhoI/XbaI)
IR-DsxCom (BamHI/XbaI)

ROW 5

pSLfa:Act:HspT (BamHI/XbaI)
ActIR-DsxE4-HspT (AscI)
pPB[DsRed] (AscI)

ROW 6

pPB[EGFP] (FseI)
ActIR-DsxCom-HspT (FseI)

BOX 4: GENERAL BUFFERS AND MARKERS

ROW 1

Ampicillin 100mg/mL

ROW 5

PCR and restriction buffers

ROW 2

4%/16% formaldehyde

ROW 6

Ligation buffers and T-vector

ROW 3

λ marker

ROW 7

Proteinase K 20mg/ml

ROW 4

RNAse A 10mg/ml & BSA

ROW 8

Protein lysis buffer

BOX 5: DSX MINIPREPS

ROW 1

Tvec:dsx1f + dsx1r

Tvec:dsx2f + dsx1r

Tvec:dsx1f + dsx2r

Tvec:dsxcf + dsxcr

ROW 2

pActRFP (HSS6) mini/midi

pMinActRFP maxi

pSLfaActRFP maxi

ROW 3

Tvec:DsxE4-S

Tvec:DsxE4-AS

Tvec:intron

Tvec:DsxCom-S

Tvec:DsxCom-AS

ROW 4

pCR2.1:DsxE4-S

pCR2.1:DsxE4-S:intron

pCR2.1:IR-DsxE4

pSLfa:ActIR-DsxE4-HspT

pPB[DsRed]ActIR-DsxE4-HspT endo

ROW 5

pCR2.1:DsxCom-S

pCR2.1:DsxCom-S:intron

pCR2.1:IR-DsxCom

pSLfa:ActIR-DsxCom-HspT

pPB[EGFP]ActIR-DsxCom-HspT endo

ROW 7

PCR purified 3kb 5'Reg Dsx

Gel purified 3kb 5'Reg Dsx dATP

ROW 8

Tvec:3kb5'Reg-Dsx F3000F1/R20

pPB[DsRed]3kb5'RegDsx-EGFP

BOX 6: A. GAMBIAE DNA/RNA

ROW 1

gDNA male Ag G3 adult

ROW 5

cDNA female Ag G3 larva/pupa/adult

ROW 2

gDNA female Ag G3 adult

ROW 6

Primers for 5'Reg DSX (1497-3000 bp)

ROW 3

Pupa/adult RNA female AG G3

ROW 7

PCR buffer, ddNTPs, dATP, oligodT

ROW 4

cDNA male Ag G3 larva/pupa/adult
